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Appl. No. 09/780,416
May 29, 2009

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method for controlling a processing of video data including coding or transcoding of video data such that said video data may be transmitted over a connection in a communication network from a source to a receiver, said connection employing a plurality of protocol layers, said method including:
 - performing said controlling of the processing of video data at a first application layer in said source,
 - acquiring from a network control element separate from said source and said receiver a value of one or more transmission condition parameters indicative of transmission conditions in the network, where said one or more transmission condition parameters are specific for a second layer provided lower than said first application layer,
 - deriving one or more values of one or more video control parameters from said value of said at least one transmission condition parameter,
 - providing to said first application layer said derived one or more values, and
 - performing at said first application layer said controlling of the processing of video data including coding or transcoding of video data in accordance with said derived one or more values,
 - wherein said communication network includes a wireless communication network, said connection comprises a radio link for transporting a mobile communication including video data between a mobile station in said wireless communication network and a radio base station in said wireless communication network, said mobile station being currently located in a first cell coverage area, and said one or more transmission condition parameters include information pertaining to one or more handover conditions associated with handing over the mobile communication to a second cell coverage area, and

wherein the information pertaining to one or more handover conditions includes information relating to a capacity of the second cell for adapting the coding or transcoding of video data in accordance with that information.

2. Canceled.
3. (Previously Presented) The method of claim 1, wherein said one or more values of said one or more transmission condition parameters are acquired at said second layer on a sending side of said predetermined link.
4. Canceled.
5. (Previously Presented) The method of claim 1, wherein said second layer is a link layer.
6. (Currently Amended) The method of claim 1, wherein said communication network is a wireless communication network, and said method is applied to the processing of video data in one or more of a mobile station in said wireless communication network, a base station in said wireless communication network, an interworking function between said wireless communication network and a fixed network, a terminal device in said fixed network, and a proxy server ~~(50)~~ provided in said wireless communication network or said fixed network.
7. (Canceled).
8. (Original) The method of claim 1, wherein said processing of video data comprises the forward error correction of said video data.
9. (Original) The method of claim 1, wherein said processing of video data comprises the packetization of said video data.

10. (Original) The method of claim 1, wherein said one or more transmission condition parameters are selected from a group consisting of the current transmission delay, the bandwidth allocated for a specific user, the current bit error rate, and the current frame erasure rate.
11. Canceled.
12. (Original) The method of claim 1, further comprising transmitting said video data in scalable form by having a base stratum and at least one enhancement stratum, and by deciding on the inclusion or exclusion of said enhancement stratum in the transmitted video data on the basis of the derived one or more values of said one or more video control parameters.
13. (Previously Presented) The method of claim 1, further comprising transmitting said video data in scalable form by having at least two independent bitstreams of video data, and by selecting between said at least two independent bitstreams on the basis of the derived one or more values of said one or more video control parameters, the selected bitstream being the transmitted video data.
14. (Previously Presented) A computer program product loadable into a computer-readable memory for a digital computer device, including software code portions for performing the method of claim 1 when said computer program product is run on said computer device.
15. (Previously Presented) A computer-readable storage medium storing the computer program product of claim 14 stored thereon.
16. (Previously Presented) A transmitting system for transmitting video data over a connection in a communication network from a source to a receiver that employs a plurality of protocol layers, comprising:

a processing element in said source arranged to process video data to be transmitted at a first application layer including to code or transcode video data,

an acquisition element arranged to acquire from a network control element separate from said source and receiver a value of one or more transmission condition parameters indicative of a transmission condition associated with said connection, said one or more transmission condition parameters being specific for a second layer lower than said first layer, and

a deriving element for deriving one or more values of one or more video control parameters from said value of said one or more transmission condition parameters, said deriving element being arranged to provide said derived one or more values to said processing element at said first application layer,

where said processing element is arranged to control the processing of video data including coding or transcoding video data at said first application layer based on said derived one or more values,

wherein said communication network includes a wireless communication network, said connection comprises a radio link for transporting a mobile communication including video data between a mobile station in said wireless communication network and a radio base station in said wireless communication network, said mobile station being currently located in a first cell coverage area, and said one or more transmission condition parameters include information pertaining to one or more handover conditions associated with handing over the mobile communication to a second cell coverage area, and

wherein the information pertaining to one or more handover conditions includes information relating to a capacity of the second cell for adapting the coding or transcoding of video data in accordance with that information.

17. (Original) The transmitting system according to claim 16, wherein said acquisition element is a part of a control element provided for controlling the transmission of data over a predetermined link forming part of said connection, where said one or more

transmission condition parameters are indicative of a transmission condition associated with said predetermined link.

18. Canceled.

19. (Currently Amended) The transmitting system of claim ~~16~~16, wherein said acquisition element is arranged such that said one or more values of said one or more transmission condition parameters are acquired at said second layer on a sending side of said radio link.

20. (Previously Presented) The transmitting system of one of claim 16, wherein said second layer is a link layer.

21. (Currently Amended) The transmitting system claim 16, wherein ~~said communication network is a wireless network, and~~ said processing element is provided in one or more of a mobile station in said wireless network, a base station in said wireless network, an interworking function between said wireless network and a fixed network, a terminal device in said fixed network, and a proxy server provided in said wireless network or said fixed network.

22. (Original) The transmitting system of claim 21, wherein said processing element, said acquisition element and said element for deriving values of video control parameters are all provided in one unit.

23. (Original) The transmitting system of claim 21, wherein said acquisition element is provided in a different unit than said processing element.

24. (Original) The transmitting system of claim 23, wherein said processing element is provided in one of a terminal device of said fixed network and a proxy server, and said acquiring element is provided in a base station of said wireless network.

25. Canceled.
26. (Original) The transmitting system of claim 16, wherein said processing element is arranged to perform forward error correction of said video data.
27. (Original) The transmitting system of claim 16, wherein said processing element is arranged to perform packetization of said video data.
28. (Original) The transmitting system of claim 17, wherein said one or more transmission condition parameters are selected from a group consisting of the current transmission delay on the link, the bandwidth allocated for a specific user on the link, the current bit error rate on the link, and the current frame erasure rate on the link.
29. (Currently Amended) The transmitting system of claim ~~18~~16, wherein said one or more transmission condition parameters ~~are selected from a group consisting of~~ include one or both of the current carrier to interface ratio on the radio link and the current power-level on the radio link.
30. (Original) The transmitting system of claim 16, wherein said processing element is arranged to control the transmission of said video data in scalable form by having a base stratum and at least one enhancement stratum, and is arranged to decide on the inclusion or exclusion of said enhancement stratum in the transmitted video data on the basis of the derived one or more values of said one or more video control parameters.
31. (Previously Presented) The transmitting system of claim 16, wherein said processing element is arranged to control the transmission of said video data in scalable form by having at least two independent bitstreams of video data, and is arranged to select between said at least two independent bitstreams on the basis of the derived one or more

values of said one or more video control parameters, the selected bitstream being the transmitted video data.

32. (Previously Presented) A transmitting unit for transmitting to a receiver video data over a connection in a communication network that employs a plurality of protocol layers, comprising:

a processing element arranged to process video data to be transmitted at an application first layer including to code or transcode video data,

an acquisition element arranged to acquire from a network control element separate from said transmitting unit and said receiver a value of one or more transmission condition parameters indicative of a transmission condition associated with said connection, said one or more transmission condition parameters being specific for a second layer lower than said first application layer, and

a deriving element for deriving one or more values of one or more video control parameters from said value of said one or more transmission condition parameters, said deriving element being arranged to provide said derived one or more values to said processing element at said first application layer,

where said processing element is arranged to control the processing of video data including coding or transcoding video data at said first application layer based on said derived one or more values,

wherein said communication network includes a wireless communication network, said connection comprises a radio link for transporting a mobile communication including video data between a mobile station in said wireless communication network and a radio base station in said wireless communication network, said mobile station being currently located in a first cell coverage area, and said one or more transmission condition parameters include information pertaining to one or more handover conditions associated with handing over the mobile communication to a second cell coverage area, and

wherein the information pertaining to one or more handover conditions includes information relating to a capacity of the second cell for adapting the coding or transcoding of video data in accordance with that information.

33. (Currently Amended) The transmitting unit of claim 32, wherein ~~said communication network is a wireless network, and~~ said unit is one of a mobile station in said wireless network, a base station in said wireless network, an interworking function between said wireless network and a fixed network, a terminal device in said fixed network, and a proxy server provided in said wireless network or said fixed network.
34. (Currently Amended) The method of claim 1, wherein said one or more transmission condition parameters include ~~the handover condition parameter and~~ one or more additional transmission condition parameters selected from a group including a current transmission delay on the radio link, a bandwidth allocated for a specific user on the radio link, a current bit error rate on the radio link, a current frame erasure rate, a current carrier to interface ratio on the radio link, and a current power-level on the radio link.
35. (Currently Amended) The transmitting system of claim 16, wherein ~~said connection comprises a predetermined radio link and~~ said one or more transmission condition parameters ~~relate to a condition of said predetermined radio link and~~ include a ~~handover condition parameter and~~ one or more additional transmission condition parameters selected from a group including a current transmission delay on the radio link, a bandwidth allocated for a specific user on the radio link, a current bit error rate on the radio link, a current frame erasure rate, a current carrier to interface ratio on the radio link, and a current power-level on the radio link.
36. (Currently Amended) The transmitting unit of claim 32, wherein ~~said connection comprises a predetermined radio link and~~ said one or more transmission condition parameters ~~relate to a condition of said predetermined radio link and~~ include a ~~handover condition parameter and~~ one or more additional transmission condition parameters

selected from a group including a current transmission delay on the radio link, a bandwidth allocated for a specific user on the radio link, a current bit error rate on the radio link, a current frame erasure rate, a current carrier to interface ratio on the radio link, and a current power-level on the radio link.